



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)  
उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी (नैनीताल)

MSC(IT)-12  
2<sup>ND</sup> YEAR 4<sup>TH</sup> SEMESTER ASSIGNMENT

*Last Date of Submission: 15 May, 2013*

Course Title: Programming in Java  
Year: 2012-13

Course Code: MSc(IT)-13  
Maximum Marks: 40 Marks

Section 'A' contains 08 short answer type questions of 5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

1. What is a package? Explain class member access in packages with an example.
2. Explain Thread cycle.
3. Briefly explain exception handling.
4. Write notes on salient features of java programming.
5. How to import package? Discuss.
6. Write a program in java to sort 'n' numbers in ascending and descending order.
7. What is the difference between application and applet?
8. What is JVM? Explain.

Section 'B' contains 04 long answer-type questions of 10 marks each. Learners are required to answers 02 questions only.

1. Explain in brief about array handling in java with relevant examples.
2. What is control statement in Java? Explain with suitable example.
3. What are applets and JAVA BEANS? Explain the use of both with example.
4. Explain the life cycle of an "Applet" with example.

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